

### ABSTRACT

A description is given of a device and a method for determining the temperature of a cooking vessel placed on a hotplate of a heating appliance, e.g. on the glass ceramic plate of an inductive cooker, in the vicinity of a heating zone. In the vicinity of the heating zone is applied to the top of the hotplate at least one flat measuring element, e.g. formed by a colour coating and whose top surface comes into flat contact with the cooking vessel bottom on setting down the cooking vessel. As a result the temperature of the measuring element, by heat conduction, reliably matches the cooking vessel temperature, so that by determining the measuring element temperature it is possible to determine the cooking vessel temperature. The measuring element can serve as a reference measuring surface for infrared temperature measurement through the hotplate, the precision of the temperature measurement not being dependent on the emission capacity of the set down cooking vessel.

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